

# Laprene® 8K1000A70

Styrene Ethylene Butylene Styrene Block Copolymer  
SO.F.TER. SPA

Message:

Laprene® 8K1000A70 is a Styrene Ethylene Butylene Styrene Block Copolymer (SEBS) material. It is available in Europe, Latin America, or North America.  
Primary attribute of Laprene® 8K1000A70: REACH Compliant.  
Typical application of Laprene® 8K1000A70: Engineering/Industrial Parts

| General Information                       |                      |                   |             |
|-------------------------------------------|----------------------|-------------------|-------------|
| Uses                                      | Overmolding          |                   |             |
| Agency Ratings                            | EC 1907/2006 (REACH) |                   |             |
| Appearance                                | Natural Color        |                   |             |
| Physical                                  | Nominal Value        | Unit              | Test Method |
| Specific Gravity                          | 1.05                 | g/cm <sup>3</sup> | ASTM D792   |
| Hardness                                  | Nominal Value        | Unit              | Test Method |
| Durometer Hardness (Shore A, 3 sec)       | 72                   |                   | ASTM D2240  |
| Mechanical                                | Nominal Value        | Unit              | Test Method |
| Abrasion Resistance                       | 70.0                 | mm <sup>3</sup>   | DIN 53516   |
| Elastomers                                | Nominal Value        | Unit              | Test Method |
| Tensile Set                               | 6                    | %                 | ASTM D412   |
| Tensile Stress <sup>1</sup> (100% Strain) | 2.90                 | MPa               | ASTM D412   |
| Tensile Strength <sup>2</sup>             | 12.5                 | MPa               | ASTM D412   |
| Tensile Elongation <sup>3</sup> (Break)   | 550                  | %                 | ASTM D412   |
| Tear Strength <sup>4</sup>                | 45.0                 | kN/m              | ASTM D624   |
| Injection                                 | Nominal Value        | Unit              |             |
| Drying Temperature                        | 80.0                 | °C                |             |
| Drying Time                               | 2.0                  | hr                |             |
| Rear Temperature                          | 210                  | °C                |             |
| Middle Temperature                        | 220                  | °C                |             |
| Front Temperature                         | 230                  | °C                |             |
| Nozzle Temperature                        | 230                  | °C                |             |
| Mold Temperature                          | 30.0 to 50.0         | °C                |             |
| NOTE                                      |                      |                   |             |
| 1.                                        | Die C                |                   |             |
| 2.                                        | Die C                |                   |             |
| 3.                                        | Die C                |                   |             |
| 4.                                        | Die C                |                   |             |

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